



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PLAGUE-PREVENTION WORK.**CALIFORNIA.**

The following report of plague-prevention work in California for the week ended August 5, 1916, was received from Senior Surg. Pierce, of the United States Public Health Service, in charge of the work:

FEDERAL AND COUNTY INSPECTION SERVICE.

[For the enforcement of the law of June 7, 1913.]

Counties.	Number of inspections.	Number of rein-spections.	Acres in-spected.	Acres rein-spected.	Acres treated.		Holes treated.
					Waste balls.	Grain.	
Alameda.....		109		29,609		3,365	
Contra Costa.....		62		16,731		1,897	
Stanislaus.....	106	33	51,642	8,939	514	5,053	815
San Benito.....	65	40	23,361	18,932		18,811	
Santa Cruz.....		23		7,301		2,540	
Merced.....	16		25,000				
Santa Clara.....	41	5	16,477	1,840		4,776	
Monterey.....	50	5	37,436	2,300		3,200	
Total.....	278	277	153,916	85,652	514	39,642	815

SQUIRRELS COLLECTED AND EXAMINED FOR PLAGUE.

Counties.	Collected.	Examined.	Infected.	Counties.	Collected.	Examined.	Infected.
Merced.....	103	103	(¹)	Madera.....	6	6	(¹)
Kern.....	21	21	(¹)	Total.....	130	130	(¹)

¹ None.

RATS COLLECTED AND EXAMINED.

Cities.	Col-lected.	Examined.	Infected.
Oakland.....	39	39	(¹)
Richmond.....	89	89	(¹)
Pittsburg.....	143	98	(¹)
Total.....	271	226	(¹)

¹ None.

RANCHES INSPECTED AND HUNTED OVER.

Merced County.....	5
Madera County.....	1
Kern County.....	1
Total.....	7

RECORD OF PLAGUE INFECTION.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	(¹)	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	(¹)	126 rats.
Berkeley.....	Aug. 28, 1907	(¹)	(¹)	(¹)
Los Angeles.....	Aug. 11, 1908	(¹)	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	² Oct. 17, 1909	June 23, 1916	293 squirrels, 1 wood rat.
Contra Costa.....	July 13, 1915	(¹)	June 28, 1916	1,629 squirrels.
Fresno.....	(¹)	(¹)	Oct. 27, 1911	1 squirrel.
Merced.....	(¹)	(¹)	May 12, 1916	7 squirrels.
Monterey.....	(¹)	(¹)	May 27, 1916	38 squirrels.
San Benito.....	June 4, 1913	(¹)	July 1, 1916	72 squirrels.
San Joaquin.....	Sept. 18, 1911	(¹)	Aug. 26, 1911	18 squirrels.
Santa Clara.....	Aug. 31, 1910	(¹)	June 21, 1916	32 squirrels.
San Luis Obispo.....	(¹)	(¹)	Jan. 29, 1910	1 squirrel.
Santa Cruz.....	(¹)	(¹)	May 30, 1916	5 squirrels.
Stanislaus.....	(¹)	(¹)	June 2, 1911	18 squirrels.
San Mateo.....	(¹)	(¹)	June 21, 1916	1 squirrel.

¹ None.

² Wood rat.

The work is being carried on in the following-named counties: Alameda, Contra Costa, Stanislaus, San Benito, Santa Cruz, Kern, Monterey, Merced, Madera, and Santa Clara.

The following is a record of municipal work performed under the supervision of the United States Public Health Service:

OPERATIONS ON THE WATER FRONT.		COOPERATIVE MUNICIPAL WORK.	
Number of vessels inspected for rat guards.	20	Number of premises inspected	424
Number of reinspections made on vessels.	3	Number of nuisances abated	27
Rats trapped on wharves and water front.	46	Number of rats trapped	131
Rats trapped on vessels.	85	Number of rats sent to laboratory	131
Number of traps set on wharves and water front	164	Number of rats examined	146
Number of traps set on vessels.	105	Number of poisons placed	47, 100
Number of vessels trapped on	19	Number of garbage cans stamped approved.	390
Poisons placed on water front (pieces)	3, 600	Rats identified—	
Bait used on water front and vessels, bacon (pounds)	6	Mus norvegicus	28
Amount of bread used in poisoning water front (loaves)	12	Mus rattus	50
Number of pounds of poison used on water front	4	Mus alexandrinus	53
Poisons placed within Panama-Pacific Exposition grounds (pieces)	36, 000	Mus musculus	None.
		WORK DONE ON OLD BUILDINGS.	
		Wooden floors removed	5
		Number yards and passageways, planking removed	1
		Concrete floors installed (square feet, 2,550)	2
		Total area concrete laid (square feet)	2, 550

LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following reports of plague-eradication work at New Orleans were received from Passed Asst. Surg. Simpson, of the United States Public Health Service, in charge of the work:

WEEK ENDED AUG. 12, 1916.

OUTGOING QUARANTINE.		BUILDINGS RAT PROOFED—continued.	
Number of vessels fumigated with sulphur.	3	Number of premises, planking and shed flooring removed	72
Number of vessels fumigated with cyanide gas	18	Number of buildings demolished	123
Pounds of sulphur used	110	Total buildings rat proofed to date (abated)	122, 923
Pounds of cyanide used in cyanide-gas fumigation	1, 043	LABORATORY OPERATIONS.	
Pints of sulphuric acid used in cyanide-gas fumigation	1, 556	Rodents received, by species:	
Clean bills of health issued	35	Mus rattus	121
		Mus norvegicus	872
		Mus alexandrinus	83
		Mus musculus	6, 134
		Wood rats	26
		Musk rats	19
		Putrid	133
		Total rodents received at laboratory	7, 388
		Rodents examined	1, 300
		Number of rats suspected of plague	12
		Plague rats confirmed	1
		PLAGUE RAT.	
		Case No. 318:	
		Address, Congress and Dauphin Streets.	
		Captured, July 15, 1916.	
		Diagnosis confirmed, August 7, 1916.	
		Treatment of premises: Intensive trapping.	
		Repair of all defects.	
FIELD OPERATIONS.			
Number of rodents trapped	7, 451		
Number of premises fumigated	1		
Number of premises inspected	6, 860		
Notices served	377		
Number of garbage cans installed	13		
BUILDINGS RAT PROOFED.			
By elevation	79		
By marginal concrete wall	143		
By concrete floor and wall	121		
By minor repairs	302		
Total buildings rat proofed	645		
Square yards of concrete laid	2, 668		

¹ Indicates the number of rodents the tissues of which were inoculated into guineapigs. Most of these showed on necropsy only evidence of recent inflammatory process; practically none presented gross lesions characteristic of plague infection.

WEEK ENDED AUG. 19, 1916.

OUTGOING QUARANTINE.

Number of vessels fumigated with sulphur.	3
Number of vessels fumigated with cyanide gas.....	15
Pounds of sulphur used.....	200
Pounds of cyanide used in cyanide gas fumigation.....	754
Pints of sulphuric acid used in cyanide-gas fumigation.....	1,131
Clean bills of health issued.....	8
Foul bills of health issued.....	2

FIELD OPERATIONS.

Number of rodents trapped.....	7,496
Number of premises inspected.....	7,012
Notices served.....	300
Number of garbage cans installed.....	20

BUILDINGS RAT PROOFED.

By elevation.....	121
By marginal concrete wall.....	119
By concrete floor and wall.....	181
By minor repairs.....	284
Total buildings rat proofed.....	705
Square yards of concrete laid.....	3,304
Number of premises, planking and shed flooring removed.....	93
Number of buildings demolished.....	97
Total buildings rat proofed to date (abated)	123,631

LABORATORY OPERATIONS.

Rodents received by species:	
<i>Mus rattus</i>	178
<i>Mus norvegicus</i>	866
<i>Mus alexandrinus</i>	170
<i>Mus musculus</i>	6,094
Wood rats.....	60

LABORATORY OPERATIONS—continued.

Rodents received by species—Continued.	
Musk rats.....	10
Putrid.....	135
Total rodents received at laboratory.....	7,513
Rodents examined.....	1,462
Number of rats suspected of plague.....	129
Plague rats confirmed.....	2

PLAGUE RATS.

Case No. 319:	
Address, 201 Carondelet Street.	
Captured, August 1, 1916.	
Diagnosis confirmed, August 15, 1916.	
Treatment of premises: Immediate repair of all defects. Intensive trapping.	
Case No. 320:	
Address, 361 St. Mary Street.	
Captured, July 26, 1916.	
Diagnosis confirmed, August 18, 1916.	
Treatment of premises: Removal of debris. General clean-up of premises.	

PLAGUE STATUS TO AUG. 19, 1916.

Last case of human plague, Sept. 8, 1915.	
Last case of rodent plague, Aug. 1, 1916.	
Total number of rodents captured to Aug. 19.....	810,133
Total number of rodents examined to Aug. 19.....	376,295

Total cases of rodent plague to Aug. 19, by species:	
<i>Mus musculus</i>	6
<i>Mus rattus</i>	20
<i>Mus alexandrinus</i>	16
<i>Mus norvegicus</i>	278
Total rodent cases to Aug. 19, 1916.....	320

HAWAII—PLAGUE PREVENTION.

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service:

Honolulu.

WEEK ENDED AUG. 5, 1916.

Total rats and mongoose taken.....	386	Classification of rats trapped—Continued.	
Rats trapped.....	383	<i>Mus norvegicus</i>	54
Mongoose trapped.....	3	<i>Mus rattus</i>	25
Examined microscopically.....	304	Average number of traps set daily.....	984
Examined macroscopically.....	82	Cost per rat destroyed.....cents..	19½
Showing plague infection.....	None.	Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.	
Classification of rats trapped:		Last case human plague, Honolulu, July 12, 1910.	
<i>Mus alexandrinus</i>	173		
<i>Mus musculus</i>	131		

Hilo.

WEEK ENDED JULY 29, 1916.

Number of rats and mongoose taken.....	2,449	Classification of rats trapped and found dead:	
Number of rats trapped.....	2,406	<i>Mus norvegicus</i>	564
Number of rats found dead.....	2	<i>Mus alexandrinus</i>	295
Number of mongoose taken.....	41	<i>Mus rattus</i>	602
Number of rats and mongoose examined macroscopically.....	2,449	<i>Mus musculus</i>	947
Number of rats and mongoose plague infected.....	None.	Last case of rat plague, Paauhau Sugar Co., Jan. 18, 1916.	
		Last case of human plague, Paauhau Sugar Co., Dec. 16, 1915.	

¹ Indicates the number of rodents the tissues of which were inoculated into guinea pigs. Most of these showed on necropsy only evidence of recent inflammatory process; practically none presented gross lesions characteristic of plague infection.